

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: 07159402 A

(43)Date of publication of
application: 23. 06 . 95

(51)Int. Cl

G01N 33/53

(21)Application number: 05340357

(22)Date of filing: 09 . 12 . 93

(71)Applicant: KYODO NYUGYO KK

(72)Inventor: TANI HISANORI
HIRONAKA TAKAHIRO
NONOMURA KAZUHIKO

(54)IV TYPE COLLAGENASE MEASURING
METHOD

(57)Abstract:

PURPOSE: To detect the content of MMP (metalloproteinase)-2 and MMP-9 in oncocytes procuring a metastasizing function or serum of a cancer patient by immobilizing an antibody to the MMP-2 or MMP-9 to be brought into contact with an ecological sample preparation liquid which may contain the MMP-2 or MMP-9.

CONSTITUTION: An antibody to MMP-2 (E.C. 3, 4, 24, 24) or MMP-9 (E.C. 3, 4, 24, 35) is immobilized on a sensor section of a BIA-core biosensor and is brought into contact with an

ecological sample preparation liquid which may contain the anti-body and the MMP-2 or MMP-9 to measure the amount of the MMP-2 or MMP-9 bonded to the antibody by a surface plasmon resonance. Since there is a very high correlation between the activity of the MMP-2 or MMP-9 and the invasion or metastasis of oncocytes, and the content of the MMP-2 and -9 in the oncocytes procuring metastasizing function and serum of a cancer patient can be detected by an immunoassay using an antibody thereto, it is possible to be used for the inspection of the metastasis and malignancy of cancer.

COPYRIGHT: (C)1995,JPO

BEST AVAILABLE COPY